

ARARATYAN, A.G.; MOVSESYAN, S.N.

~~Formation of trisomatic cells.~~ Dokl. AN SSSR 60 no.5:883-885 My '48.
(MIRA-10:8)

1. Institut genetiki rasteniy Akademii nauk Armyanskoy SSR. Pred-
stavleno akademikom N.A. Maksimovym.
(Plant cells and tissues)

ARARATYAN, A.G.
ARARATYAN, A.G.

Chromosomes of some species of the family Boraginaceae. Dokl.AN
Arm.SSR 18 no.3:87-92 '54. (MIRA 8:3)

1. Armyanskiy sel'skokhozyaystvennyy institut.
(Borage) (Chromosomes)

ARABATYAN, A.G.

Chromosomes of the saffron *Crocus zonatus* J. Gay. Izv. AN Arm. SSR.
Biol. i sel'khoz. nauki 8 no.1:61-71 Ja '55. (MLRA 9:8)

1. Armyanskiy sel'skokhozyaystvennyy institut.
(Chromosomes) (Saffron)

Araratyan, A.G.

L-5

USSR / Cultivated Plants. Technical. Oleaginous.
Sugar-Bearing.

Abs Jour : Ref Zhur - Biol., No 6, March 1957, No 22786

Author : Araratyan, A.G., Melikyan, N.M.

Inst : Not given

Title : Wild Fatty-Oily Plants of Armenia.

Orig Pub : Sb. nauch. tr. Arm. s.-kh. in-ta, 1955, No 9, 195-213

Abstract : In search of new fatty raw materials for different industrial needs, the authors tested over 1,000 plant species for oil content of seeds and for the iodine number of the oil. The simple and rapid method of an oil spot in quite suitable, in the authors' opinion. Some plants were tested for oil for the first time. Families of boraginacea

Card : 1/2

USSR / Cultivated Plants. Technical. Oleaginous.
Sugar-Bearing.

L-5

Abs Jour : Ref Zhur - Biol., No 6, March 1957, No 22786

Abstract : (7 species), compositae (22), cruciferae (16), labiatae (21), ranunculaceae (7), solanaceae (6) were thoroughly tested. Three species were noted which had a very high iodine number: echinocloa, Echinops sphaerocephalus L. (180.5), Augstrian flax (175.7), and buckthron, Rhamnus cathartica L. (158.6).

Card : 2/2

ARARATYAN, A.G.

Significance of sporophytic predominance in higher plants. Dokl.
AN Arm.SSR 21 no.2:91-95 '55. (MIRA 8:12)

1. Aranyanskiy sel'skokhozyaystvennyy institut. Predstavleno V.O.
Gulkanyanov (Plants, Sex in)

ARARATYAN, A.G.

Biological role of different nutriments received by the plant
embryo. Izv.AN Arm.SSR.Biol.i sel'khoz. nauki 9 no.5:3-13 My '56.
(MLRA 9:8)

1. Armyanskiy sel'skokhozyaystvennyy institut.
(Botany--Embryology)

ARARATYAN, A.G.

Observations on the heterostyly of purple loesestripe. Dokl. AN
Arm. SSR 23 no.4:187-192 '56. (MIRA 10:1)

1. Armyanskiy sel'skokhozyaystvennyy institut.
(Loesestripe)

~~ARARATYAN, A.G.~~

ARARATYAN, A.G.

Rejuvenescence of plants. Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 10
no.10:103-111 O '57. (MIRA 10:12)
(Rejuvenescence (Botany))

VERMISHYAN, A.M.; kand.sel'skokhoz.nauk; DILANYAN, G.Kh.; SANAGYAN,
M.B.; KAZARYAN, Ye.S., kand.sel'skokhoz.nauk, otv.red.;
~~ARARATYAN, A.G.~~; zaslush.deyatel' nauki, red.; GRDZELYAN, G.P.,
dotsent, red.; POGOSYAN, S.A., doktor biolog.nauk; DALIYELYAN,
G., red.isd-va; ATOYAN, S., red.isd-va; KUZANYAN, M., red.isd-va;
KHACHATRYAN, S., tekhn.red.

[Fruits of Armenia] Plody Armenii. Erevan, Armianskoe gos.isd-vo.
Vol.1. [Stone fruit; local varieties] Kestochkovye porody; mestnye
sorta. 1958. 243 p. (MIRA 12:7)
(Armenia--Fruit)

ARABATYAN, A.G.; BADALYAN, V.S.

Resistance to electric current in living and dead plant tissues.

Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 11 no.4:87-96 Ap '58.
(MIRA 11:5)

1. Armyanskiy sel'skokhozyaystvennyy institut.
(Plants, Effect of electricity on)

ARARATYAN, A.G.; BADALYAN, V.S.

~~Apparatus for the determination of the viability of plant tissues.~~
Izv. AN Arm. SSR. Biol. i sel'khoz. nauki 11 no.7:107-110 J1 '58.
(MIRA 11:9)

1. Armyanskiy sel'skokhozyaystvennyy institut.
(Botanical apparatus)

ABARATYAN, A.G.

Case of anomalous inflorescence in Bryophyllum. Izv. AN Arm. SSR.
Biol. nauki 12 no. 12:73-78 D '59. (MIRA 13:6)
(BRYOPHYLLUM)

ARAHATYAN, Aleksandr Gevorkovich

[Weeds of Armenia; a guide to weeds in cultivated lands]
[Sbornye rasteniia Armenii; opredelitel' sorniakov vozde-
lyvaemykh ugodii. Erevan, Armianskoe gos. izd-vo] 1963.
257 p. [In Armenian] (MIRA 17:5)

ARARATYAN, A.M.

Highway construction in Armenia during the last 40 years. Avt.
dor. 24 no. 1:8 Ja '61. (MIRA 14:2)

1. Glavnyy inzhener Glavnogo upravleniya shosseynykh dorog.
(Armenia—Road construction)

ARARATYAN, L.A.

Morphological analysis of the generative organs of the
primrose *Primula macrocalyx* Bge. Izv. AN Arm. SSR. Biol.
i sel'khoz. nauki 9 no.12:33-40 D '56. (MLRA 10:2)

1. Kafedra morfologii i sistematiki Yerevanskogo gosudarstven-
nogo universiteta im. V.M. Molotova.
(Primroses) (Inflorescence)

AKARATYAN, L.A.

Cytological processes in the formation of plantlets in Bryophyllum.
Izv. AN Arm. SSR. Biol. nauki 16 no.11:51-57 N '63.

(MIRA 17:4)

1. Laboratoriya radiatsionnoy genetiki AN Armyanskoy SSR.

АХАРОВ, В.И., prof., otv. red.; GORBUNOVA, K.M., prof., otv.
red.; DRAGUNOV, E.S., red.

[Mechanism of interaction between metals and gases] Me-
khanizm vzaimodeistviia metallov s gazami. Moskva, Nauka,
1964. 189 p. (MIRA 18:1)

1. Akademiya nauk SSSR. Institut fizicheskoy khimii.

ARASHAVSKIY, I.A.

Characteristics of the curve of extrauterine modifications of weight
in newborn rabbits and dogs. Biul. eksp. biol. i med. 38 no.8:63-65
Ag '54. (MLRA 7:9)

1. Iz laboratorii vozrastnoy fiziologii (zav. prof. I.A.Arshavskiy)
Instituta obshchey i eksperimental'noy patologii (dir. akademik
A.D.Speranskiy) AMN SSSR, Moskva..

(BODY WEIGHT,

in newborn dogs & rabbits, changes)

(DOGS,

changes of body weight in newborn dogs)

(RABBITS,

changes of body weight in newborn rabbits)

ZHITNITSKAYA, E.A.; GORODILOVA, L.I.; SAFAROV, G.I.; ARTYKOV, M.B.;
ARASHEV, A.A.; SAFAYEVA, D.B.

Organization of measures for the eradication of an ankylostomiasis
focus in Karakul District, Bukhara Province. Med. paraz. i paraz.
bol. 33 no.6:707-710 N-D '64. (MIRA 18:6)

1. Uzbekskiy institut eksperimental'noy meditsinskoy parazitologii
i gel'mintologii, Bukharskaya oblastnaya sanitarno-epidemicheskaya
stantsiya i Karakul'skaya tsentral'naya rayonnaya bol'nitsa.

ARASHEV, M. S.

Mathematical Reviews
May 1954
Analysis

✓ Arešev, M. S. On a linear integro-differential equation.
Akad. Nauk Uzbek. SSR. Trudy Inst. Mat. Meh. 9,
3-14 (1952). (Russian)

It is shown that the substitution

$$s = \sum_{k=0}^{n-1} c_k \frac{(x-c)^k}{k!} + \frac{1}{(n-1)!} \int_c^x (x-s)^{n-1} u(s) ds$$

reduces the integro-differential equation

$$s^{(n)}(x) + \sum_{k=0}^{n-1} a_k(x) s^{(k)}(x) = f(x) + \sum_{k=0}^m \int_{a_k}^{\beta_k} K_k(x, t) s^{(k)}(t) dt$$

to a Fredholm equation of the second kind if $m < n$.

M. Golomb (Lafayette, Ind.).

USSR / Cultivated Plants. Cereals Crops.

M-3

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 58525

Author : Arashidze, M. A.

Inst : Acad. Sci. GruzSSR

Title : Contribution to the Problem of the Origin of Triticum
Carthlicum Novski Wheat

Orig Pub : Tr. Tbilisk. botan. inst., AN GruzSSR, 1956, 18, 235-250

Abstract : Tr. dicoccon var. farrum X Tr. vulgare var. erythrosperrum
were interbred. Varieties, belonging according to all
indications to the Tr. carthlicum specie were obtained
in F₅. The process of variety formation took place in
preceding generations on the basis of a corresponding
selection in the direction of Tr. carthlicum. In F₅ of
hybrids of Tr. vulgare var. erythrosperrum X Tr. durum
var. coerulescens, constant varieties were obtained. They
differed from Tr. carthlicum only by the presence of a

Card 1/2

ZETILOV, German Vasil'yevich; TAGUNTSEV, Sergey Dmitriyevich.
Prinimal uchastiye ARASHKEVICH, G.M.; GOLOVACHEV, B.N.;

[Fundamentals of the supply of materials and equipment
in railroad transportation] Osnovy material'no-tekhnicheskogo
snabzheniia zheleznodorozhnogo transporta. Izd.2.,
dop. i perer. Moskva, Izd-vo "Transport," 1964. 315 p.
(MIRA 17:7)

ARASHKEVICH, N.

Resort enterprises: solved and unsolved problems. Obshchestv.pit.
no.9:61-64 S '63. (MIRA 16:12)

1. Upravlyayushchiy Odesskim trestom restoranov Ukrkurorttorga.

ARASHKEVICH, V.M.

600

1. ARASHKEVICH, V.M.

2. USSR (600)

Ural Industrial Institute "Current Trends Abroad
in the Concentration of Nonferrous Metal Ores"
Tsvet. Met. 14, No 7, July 1939.

9. ~~Report~~ Report U-1506, 4 Oct. 1951.

1ST AND 2ND ORDERS		3RD AND 4TH ORDERS	
HRASHKEVICH, V.M.		9	
CA Selection of a flotation cell. V. M. Arshkevich. <i>Gornyi Zhur.</i> 120, No. 6, 31 500000. A discussion of various types of flotation cells, their functions, and relative merits. M. Hosh			
ASH-51A METALLURGICAL LITERATURE CLASSIFICATION			
1ST AND 2ND ORDERS		3RD AND 4TH ORDERS	
1ST AND 2ND ORDERS		3RD AND 4TH ORDERS	

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ARASHKEVICH, V.M.																									
PROCESS AND PROPERTY INDEX																									
9																									
Use of "heavy pyridine" in flotation of Degtyar ores. V. M. Arashkevich and A. L. Sagadyan. <i>Tsvetnye Met</i> 20, No. 2, 25-6 (1947).—A mixt. of high-mol. org. bases 60 and neutral oils 40%, referred to as "heavy pyridine," is used as frother in flotation of Cu mineral from the Degtyar deposits. The optimum alkyl is one contg. not less than 750 g. of active lime per cu. m. of soln. Only 80-120 g. of heavy pyridine is required per ton of ore. With this reagent, the usual xanthate requirement of 100 g. dropped to 60-80 g. per ton. Grinding the ore to 83% -200 mesh and using Bu xanthate 120 and heavy pyridine 70 g. per ton, 81.2% of the Cu was obtained in the concentrate and the tailings contained 0.308% of Cu. M. Hosh																									
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION																									
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ARASHKEVICH, V.M. CA 9 Role of chips in flotation. V. M. Arashkevich and G. V. Kozlov (Mekhanizm, Sverdlovsk). <i>Tsvetnye Met.</i> 20, No. 2, 20-7(1947). - The presence of chips in a polymetal ore caused mech. difficulties and interfered with the sepn. of the metals. It particularly affected the flotation of Pb and the concn. of Zn. The effect of chips is partly counteracted by an addn. of activated C. The presence of chips and activated C affect mostly the flotation of Pb. Since the Pb cycle precedes the Zn and pyrite cycles, and since most chips and the activated C are removed in the Pb cycle, normal conditions are reestablished at the beginning of the Zn cycle. M. Hosh																													
ASM-AIA METALLURGICAL LITERATURE CLASSIFICATION																													
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1. ARASHKEVICH, V. M.
2. USSR (600)
4. Technology
7. Dressing non-ferrous metal ores. Sverdlovsk - Moskva, Metallurgizdat, 1951.
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

KOZLOV, V.N.; SMOLENSKIY, V.B.; ARASHKEVICH, V.M.

Preparation of foaming agents and organic solvents from acidic wood resins.
Zhur.prikl.khim. 26 no.9:995-999 S '53. (MLRA 6:10)

1. Laboratoriya lesokhimii Instituta khimii i metallurgii Ural'skogo filiala
Akademii nauk SSSR. (Gums and resins) (Foam) (Solvents)

ARASHKEVICH, V.M.

MITROFANOV, S.I., professor; ARASHKEVICH, V.M., dotsent, kandidat tekhnicheskikh nauk, retsenzent; TROITSKIY, A.V., redaktor; VERIGO, K.N., redaktor; MIKHAYLOVA, V.V., tekhnicheskij redaktor

[Testing ores for dressing qualities; practical manual] Issledovanie rud na obogatimost'; prakticheskoe rukovodstvo. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 494 p. (MLRA 7:10)
(Ore dressing)

Foaming agents from acid wood tar. V. N. Kozlov, V.
 M. Arashkevich, and Y. B. Smolenskaya. *Preparatory*
 No. 1, 1961 (1961).
 C.A. 47:13701a. Acid wood tar (I) from the dry distill of
 wood were processed with CaO and the Ca salts of acids
 and phenols present subjected to dry distill. The distillate
 acid no. 240.2 and anion no. 241.1 contained 23.45%
 volatile acids, 40.0% essential substances, 20.4% phenols
 and 8.05% D.D. The yield on dry distill was 40.5-51%
 which was distd. to give MeCO-5.66, MeHCO-2.3, Me-
 no-COOH, and flotation oil II 40-80% 1-1 (1961) 1 (1961)

surface tension 72.5 dynes/cm. at 20°C. in the flotation of sulfide ore containing pyrite, chalcopyrite, and sphalerite.

Arashkevich, V. M.

USSR :

The utilization of fuel oils as frothers and the products of
its reprocessing. V. N. Kozlov, V. M. Arashkevich, and
B. A. Sokolov. *J. Appl. Chem. USSR*, 1954, 27, 211-18
(1954) (Engl. translation).—See C. A. 48, 11997i
H. L. H.

Arashkevich, V. M.

The utilization of fusel oil as frothers and the products of its reprocessing. V. N. Kozlov, V. M. Arashkevich, and R. A. Sokolov. *Zhur. Priklad. Khim.* 27, 22 (1974). Fusel oil, a by-product of EtOH fermentation, was processed to yield a frother for the flotation of Zn and Cu sulfide ores.

A sulfide ore contg. 1.8% Cu and 1.38% Zn, ground to 65-70% -200 mesh, was treated with 10 kg. CaO, 100 g. of butyl xanthate (as collector), and 30 g. of frother/ton ore. Flotation time was 15 min. The frothers tested were pine oil, cresol, fusel oil, and a high-boiling (> 100°) fraction of fusel oil. Cu and Zn recoveries approximated 81-2% in all cases. When fusel oil and its high-boiling fraction were used the concentrates averaged 11-12% Cu and 8-9% Zn; with the other frothers the concentrates were about 8-9% Cu and 0-7% Zn. The flotation of Cu-Pb ore contg. 1.97% Cu, 31.65% Pb, and 35.82% S, ground to 95-1% -200 mesh, was accomplished by using 1000-1040 g. of CaO/cu n. of 200, 50 g. butyl xanthate and 15 g. of fusel oil frother per ton of ore. Flotation in this case lasted 10 min. Fusel oil and its high-boiling fraction yield 7-8% Cu concentrates at 88-90% recoveries. C. H. Fuchsman

62

(2)

ARASHKEVICH, V.M., dotsent; VESELOV, A.I., professor; VOLOTKOVSKIY,
S.A., professor; ZHUKOV, L.I., dotsent; IPPOLITOV, M.D., dotsent;
KUTYUKHIN, P.I., dotsent; KOMPANETS, V.P., dotsent; MALAKHOV,
A.Ye., professor; NEUDACHIN, G.I., dotsent; RYABUKHIN, G.Ye.,
professor; SAKOVTSSEV, G.P., dotsent; STOYLOV, B.A., dotsent; TROP,
A.Ye., dotsent; FEDOROV, S.A., professor; YAROSH, A.Ye., dotsent,
redaktor; TARKHOV, A.G., redaktor; GAMBURTSEVA, Ye.Ye., redaktor;
GUROVA, O.A., tekhnicheskij redaktor.

[Collection of articles on geophysical methods of prospecting]
Sbornik statei po geofizicheskim metodam razvedki. Moskva, Gos.
nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr, 1955. 109 p.
(MLRA 8:11)

1. Sverdlovsk.Gornyy institut.
(Prospecting--Geophysical methods)

ARASHKEVICH, V.M., dotsent, redaktor; VESELOV, A.M., professor, redaktor;
VOLOTKOVSKIY, S.A., professor, redaktor; ZHUKOV, L.I., dotsent,
redaktor; IPPOLITOV, N.D., dotsent, redaktor; KAMPANEYETS, V.P.,
dotsent, redaktor; KUTYUKHIN, P.I., dotsent, redaktor; MALAKHOV,
A.Ye., professor, redaktor; NEUDACHIN, G.I., dotsent, redaktor;
RYABUKHIN, G.Ye., professor, redaktor; SAKOVITSEV, G.P., dotsent,
redaktor; STOYLOV, B.A., dotsent, redaktor; TROP, A.Ye., dotsent,
redaktor; FEDOROV, S.A., professor, redaktor; YAROSH, A.Ya.,
dotsent, redaktor; SLAVOROSOV, A.Kh, redaktor izdatel'stva;
ALADOVA, Ye.I., tekhnicheskiy redaktor

[Problems in the efficient organization of surveying in mining
enterprises] Voprosy ratsionalizatsii marksheidarskoi sluzhby na
gornyykh predpriyatiyakh. Moskva, Ugletekhizdat, 1955. 128 p.

(MLR 9:10)

1. Sverdlovsk, Gornyy institut.
(Mine surveying)

ARASHKEVICH, V.M.

ARASHKEVICH, V.M. (b. 1918, Moscow, USSR)

ARASHKEVICH, V. M.

Recovery of flotation oils from the acidic residues left in the rectification of acetic acid. V. N. Kozlov, V. B. Smolenskii, and V. M. Arashkevich. *Gidroliz. i Lesokhim. Prom.* 9, No. 1, 10-11 (1957). The acidic residue (I) left over in the rectification of AcOH from wood powder was neutralized with $\text{Ca}(\text{OH})_2$ and distd. destructively in an iron vessel. It gave 33.5% of oils and 1.01% of acetone. The former were divided into two fractions, one distg. below 105° (II), and the other above 105° (III). Based on I the fractionated yield of II was 3.10, and of III 30.10% of oils. The latter represented the flotation-oil fraction. Further distn. of II gave 23.35 of acetone-soluble b. $50-60^\circ$, 23.82 of MeCOEt b. $80-83^\circ$, 22.14 of $\text{MeCO}(\text{CH}_2)_3\text{CH}_3$ b. $83-105^\circ$, and 24.10% of III. Fractionation of III gave a substance (IV) with d_4^{20} 0.8338, acid no. 11.17, sapon. no. 102.70, 86.46 of neutral substances, and 9.73% of phenols. The ether soln. of IV was treated with NaHCO_3 and 10% KOH. A neutral oil with acid no. 2.31 and sapon. no. 39.55 was recovered. The oil was tried as the froth former in flotation of Cu-Fe sulfide ores imbedded in chlorite sericite and quartz chlorite shales. The froth formation properties of the oil were comparable to the standard froth formers.

T. Jurecic

SOV/137-59-1-431

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 54 (USSR)

AUTHOR: Arashkevich, V. M.

TITLE: Utilization of Waste Materials of Chemical Wood Pulp Industries in the Manufacture of New Types of High-quality Frothing Agents
(Proizvodstvo novykh tipov vysokokachestvennykh penoobrazovateley iz otkhodov lesokhimicheskikh proizvodstv)

PERIODICAL: Izv. vyssh. uchebn. zavedeniy. Gornyy zh., 1958, Nr 2, pp 124-131

ABSTRACT: A description of manufacturing methods and physicochemical properties of new types of frothing agents, namely, ketonic, sulfite, and resin oils, made from raw materials constituting the waste products of the manufacture of acetic acid, wood resin, and fusel oil. A method was developed whereby the new frothing agents may be utilized in the flotation of impregnated sulfide-rich Cu-Fe ores, solid Cu-pyrite ores, and lean Cu-Zn ores from the principal Ural deposits. Ketonic and sulfitic oils are introduced into practical use. The new frothing agents contain significant quantities of substances having a low surface tension (alcohols, ketones, phenols, etc.) and are comparable to pine oil with regard to their frothing properties.

Card 1/1

E. V.

ARASHKEVICH, V.M.

Ketone, sulfite, and resin oils used as foaming agents. Izv.vys.
ucheb.zav.; gor.zhur. no.3:152-158 '58. (MIRA 12:8)

1. Sverdlovskiy gornyy institut.
(Flotation--Equipment and supplies)
(Oils and fats)

ARASHKEVICH, V.M.

Improved flowsheet for nonferrous metal ore dressing in connection
with the study of its material composition. Izv.vys.ucheb.zav.;gor.
zhur. no.6:130-135 ' 58. (MIRA 12:1)

1. Sverdlovskiy gornyy institut.
(Ore dressing) (Nonferrous metals)

18(5)

PHASE I BOOK EXPLOITATION

SOV/3130

Arashkevich, Vsevolod Markovich

Osnovy obogashcheniya rud (Fundamentals of Ore Beneficiation) Sverdlovsk, Metallurgizdat, 1959. 248 p. 7,200 copies printed.

Ed.: S. M. Buchel'nikov; Ed. of Publishing House: A. P. Skorobogacheva;
Tech. Ed.: Ye. M. Zef.

PURPOSE: This is a textbook for the course, Fundamentals of Nonferrous-ore Beneficiation, given at mining and metallurgical tekhnikums. It may also be useful to production engineers.

COVERAGE: Basic data are presented on ores and ore beneficiation. Descriptions are given of basic equipment, crushing methods, classification, gravity methods of concentration, flotation, ore sorting, ore washing, concentration on the basis of wettability, and dust collection. Attention is also given to control and computing methods and to engineering and economic data on the beneficiation of nonferrous ores. The author thanks M. V. Tsiperovich, Candidate of Technical Sciences, G. G. Zalazinskiy, Engineer, and

Card 1/8

Fundamentals of Ore Beneficiation

80V/3130

S. M. Buchel'nikov, Candidate of Technical Sciences, for their assistance in preparing the manuscript. There are 32 references, all Soviet.

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Fundamentals of Ore Beneficiation

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Card 7/8

ARASHKEVICH, V.M.

Flotation of nonferrous metals ores in certain plants of the
Chinese Peoples' Republic. Izv.vys.ucheb.zav.; gor.shur. no.3:
125-139 '59. (MIRA 13:4)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva. Rekomendovana
kafedroy obogashcheniya poleznykh iskopayemykh.
(China--Flotation) (Nonferrous metals--Metallurgy)

ARASHKEVICH, V.M.

Selective flotation methods of collective concentrates. Izv.
vys.ucheb.zav.; gor.zhur. no.4:112-119 '59. (MIRA 13:5)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva.
Rekomendovana kafedroy obogashcheniya poleznykh iskopayevykh.
(Flotation)

ARASHKEVICH, V.M.

"Technological characteristics and flowsheets for the dressing of magnetite-type iron ores" by A. P. Kvaskov. Reviewed by V.M. Arashkevich. Obog. rud 4 no.4:58-59 '59. (MIRA 14:8)

1. Ural'skiy nauchno-issledovatel'skiy institut ~~mekhanicheskoy~~ obrabotki poleznykh iskopayemykh.
(Ore dressing) (Iron ores)
(Kvaskov, A. P.)

ARASHKEVICH, V.M.; VOLEGOV, A.V.

Use of vibration sorting in the dressing of chrysotile
asbestos ores. Izv.vys.ucheb.zav.; gor.shur. no.7:
134-138 '60. (MIRA 13:7)

1. Sverdlovskiy gornyy institut im. V.V.Vakhrusheva.
Rekomendovana kafedroy obogashcheniya poleznykh iskopayemykh.
(Ore dressing) (Vibrators)

ARASHKEVICH, V.M.; GOLIKOV, A.A.

Depressant action of potassium bichromate. TSvet. met. 33 no.9:28-31
S '60. (MIRA 13:10)

1. Sverdlovskiy gornyy institut (for Arashkevich). 2. Uralsmekhnoobr
(for Golikov).

(Flotation--Equipment and supplies)
(Potassium chromate)

BATANOV, Aleksandr Ivanovich. Prinimali uchastiye: SYSOLIYATIN, S.A.,
kand. tekhn. nauk; ARASHKEVICH, V.M.; KVASKOV, A.P., doktor tekhn.
nauk, retsenzent; GIBELEV, I.T., inzh., retsenzent; KRASNOV, G.V.,
inzh., retsenzent; NIKOLENKO, S.V., inzh., retsenzent; SOL'VAR,
A.V., inzh., retsenzent; CHURIKOV, A.N., inzh., retsenzent; ROMANOVA,
L.A., red. izd-va; BOLDYREVA, Z.A., tekhn. red.; PROZOROVSKIY, Ye.G.,
tekhn. red.

[Iron ore dressing] Obogashchenie rud chernykh metallov. Moskva,
Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 423 p.
(MIRA 14: 9)

1. Obogatitel'nyye fabriki Gornogo upravleniya Magnitogorskogo me-
tallurgicheskogo kombinata (For Gibelev, Krasnov, Nikolenko, Sol'-
var, Churikov)

(Ore dressing)

S/137/62/000/003/027/191
A006/A101

AUTHOR: Arashkevich, V. M.

TITLE: Investigating the substantial composition of ores of non-ferrous, rare and precious metals in connection with improvements of technological schemes for their concentration

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 6, abstract 3049 (V sb. "Issled. po obogashcheniyu i tekhnol. polezn. iskopayemykh", Moscow, Gosgeoltekhizdat, 1961, 146-152)

TEXT: Ores of non-ferrous metals are as a rule complex ones, and a development of methods for the extraction of precious components from them is not possible without a close and thorough investigation of the substantial composition of the ores. The thorough investigation of the substantial composition of non-ferrous metal ores in new deposits made it possible to develop the most efficient systems of their concentration; additional studies of the substantial composition of non-ferrous metal ores which had been concentrated at concentration plants made it possible to improve the technological process, the quality of concentrates and the extraction of metal. When investigating the substantial

Card 1/2

BARBIN, M.B.; ARASHKEVICH, V.M.

Some features in the study of the thermodynamic regularities of the flotation process. Izv.vys.ucheb.zav.; gor.zhur. no.3:149-151 '61. (MIRA 15:4)

1. Rekomendovana kafedroy obogashcheniya poleznykh iskopayemykh Sverdlovskogo gornogo instituta. 2. Ural'skiy politekhnicheskii institut imeni S.M.Kirova (for Barbin). 3. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva (for Arashkevich).
(Flotation)

S/137/61/000/011/036/123
A060/A101

AUTHOR: Arashkevich, V. M.

TITLE: All-Union conference on concentrating plants, 10 - 14 January, 1961

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 11, 1961, 5, abstract 11033
("Izv. vyssh. uchebn. zavedeniy. Gorn. zh.", 1961, no. 5, 18)

TEXT: A conference on concentrating plants in non-ferrous metallurgy concerned with raising the indices of ore concentration by the flotation method was held from 10th to 14th January, 1961. Contributions of a theoretical and practical character were heard and discussed. The contributions dealt with problems of the theory and practice of flotation of ores of non-ferrous metals, and projects were indicated for the further lines of development of this concentration process, and also concrete measures for the further raising of the quality and quantity of the operating characteristics of flotation plants in the USSR non-ferrous metallurgy. ✓

A. Shmeleva

[Abstracter's note: Complete translation]

Card 1/1

ARASHKEVICH, V.M.; KAKOVSKIY, I.A.

Flotation properties of xanthic disulfide. TSvet. met. 35 no.5:
20-24 My '62. (MIRA 16:5)
(Flotation--Equipment and supplies)

ARASHKEVICH, V.M., kand. tekhn.nauk, dots.; DIOMIDOV, A.P., kand.
tekhn. nauk, dots., red.

[Methods of investigating the capacity of minerals to undergo
treatment] Metody issledovaniia obogatimosti poleznykh isko-
paemykh; uchebnoe posobie. Sverdlovsk, Sverdlovskii gornyi
in-t im. V.V.Vakhrusheva, 1962. 55 p. (MIRA 16:3)
(Ore dressing)

ARASHKEVICH, V.M., dotsent; BELOV, M.N., inzh.

Flotation of oxidized zinc minerals. Izv. vys. ucheb. zav.;
gor. zhur. 6 no.3:190-196 '63. (MIRA 16:10)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva.
Rekomendovana kafedroy obogashcheniya poleznykh iskopayemykh.

KAKOVSKIY, I.A.; ARASHKEVICH, V.M.

Mechanism of the interaction of xanthates with sulfide minerals.

TSvet. met. 36 no.6:10-18 Je '63.

(MIRA 16:7)

(Flotation) (Sulfides)

VLADIMIROVA, Mariya Grigor'yevna; GREKHOVA, Lidiya Ivanovna;
ARASHKEVICH, V.M., retsenzent; OKUN', R.M., red.izd-va;
LAVRENT'YEVA, L.G., tekhn. red.

[Harmful substances and the control of their content in
the air of gold-recovery plants] Vrednye veshchestva i
kontrol' soderzhanii ikh v vozduke zolotoizvlekatel'nykh
fabrik i zavodov. Moskva, Gosgortekhnizdat, 1963. 43 p.
(MIRA 16:11)

(Gold--Metallurgy) (Air--Pollution)
(Metalworkers--Diseases and hygiene)

ARASHKEVICH, Vsevolod Markovich; BONDAR', N.Z., retsenzent;

GLEMBOTSKIY, V.A., prof., doktor tekhn. nauk, retsenzent;

KUNIK, V.P., red. izd-va; BOLDYREVA, Z.A., tekhn. red.

[Dressing of nonferrous metal ores] Obogashchenie rud tsvet-
nykh metallov. Moskva, Izd-vo "Nedra," 1964. 492 p.

(MIRA 17:2)

KOZIN, V.Z., inzh.; ARASHKEVICH, V.M., dotsent; TROP. A. Ye., prof.

Automation of the flotation process. Izv. vys. ucheb. zav.; gor.
zhur. no.8:148-151 '64 (MIRA 18:1)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva. Rekomen-
dovana kafedroy avtomatizatsii proizvodstva mykh protsessov.

ARASHKEVICH, V.M., kand. tekhn. nauk; REIOV, M.N., inzh.

Floatability of oxidized zinc ores dependeng on their mineral phase composition. Izv. vys. ucheb. zav.; gor. zhur. 7 no.10: 179-184 '64. (MIRA 18:1)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrush'eva. Rekomendovana kafedroy obogashcheniya poleznykh iskopayemykh.

ARASZKIEWICZ, Zuzanna

Calciuria in hyperthyroidism. Pol. arch. med. wewn. 34 no. 2:
1145-1150 '64

1. Klinika Chorob Wewnętrznych Instytutu Gruźlicy (Kierownik:
prof. dr. med. B. Jochweds).

CA
ARASIMOVICH, V.V.

110

The inheritance of sugar content in cucurbits. V. V. Arasimovich. *Bull. Applied Botany, Genetics, Plant Breeding* (U. S. S. R.) Ser. 3, No. 5, 5-30 (in English 11) (1934).—The various sugars (glucose, fructose and sucrose) in cucurbit hybrids follow the Mendelian laws independently. In the inherited characteristics, with respect to the total sugars as well as for the individual sugars, the phenomenon of heterosis is infrequently observed. Glucose, fructose and sucrose are polymer characters and for certain hybrids some of these are dominant and in others some are absent. Glucose and fructose were observed as polymer-dominant characters, the glucose being more frequent than the fructose. Sucrose was more frequently observed as a polymer-recessive character.
I. S. Joffe

ASR-51A METALLURGICAL LITERATURE CLASSIFICATION

ASR-51A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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PROCESSER AND PROPERTIES INDEX

112

The influence of the conditions of irrigation on the sugar content of melon. V. V. Arsenimovich. *Bull. Applied Botany, Genetics Plant Breeding* (U. S. S. R.), Ser. III, No. 12, 163-9 (1935).—Under certain systems of irrigation the early-maturing varieties gave a higher sugar content, whereas the late-maturing varieties under the same system of irrigation gave a lower sugar content.

I. N. Ioffe

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

107

UP

111

The influence of the conditions of irrigation on the quality of oil-bearing plants. V. V. Arslanovskiy, M. N. Artemieva and N. A. Pavlova. *Bull. Acad. Sci. USSR, Genetics Plant Breeding* (U. S. S. R.), Ser. III, No. 12, 191-220 (1935).--Under certain systems of irrigation the quantity of oil in peanuts, soybeans and sesame increased. There was no difference with flaxseed. In general, irrigation increased the 1 number in soybeans and flax seed. No difference in this respect was noted in the other plants. In all cases the protein content decreased. I. S. Hoff

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																										1ST AND 2ND ORDERS																									
ca 7 Saponins and the methods for determining them. V. V. Arsenovich. Bull. Applied Botany, Genetics Plant Breeding (U. S. S. R.) Ser. III, No. 15, 191-200(1930). — Saponins were detd. by various methods on <i>Saponaria officinalis</i> and <i>Chenopodium</i>. The Korsakova method (Compt. rend. 155, 344-0(1912)) was found to be most suitable. I. S. Joffe																																																			
AS 5-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			
SEARCHED SERIALS SUBJECT AUTHOR PUBLICATION																																																			

11D

Documemibity of cultivated plants. IV. Legume and
melon crops. N. N. Ivanov and V. V. Arashimovich.
Lenin Acad. Agr. Sci., Inst. Plant Ind., *Lenin* 1938.
440 pp.; cf. C. A. 33, 17839. E. J. C.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

112

CA

Biochemistry of watermelon. V. V. Arasimovich. *Biokhim. Kul'tur. Rastenii* 4, 257-58 (1938) ~~111533~~ Abstracts 10, No. 4, 322-3 (1940).—Differences in the chem. compn. (chiefly in the ratios of carbohydrate components) were found between *Citrullus edulis* (table form), *C. colocynthis* (fodder form), *C. fistulosus* and *C. colocynthis*. The greatest part of the carbohydrates is represented by sugar, varying from 5.50 to 10.00% in *edulis* forms and from 1.15 to 2.00% in *colocynthis* forms. The compn. of the sugars varied, fructose being found only in *edulis* forms. The largest pectin content was found in *colocynthis*. The bitter principle is chiefly due to *colocynthin*, but among *edulis* forms a bitter mutant was found. S. Soloveichik.

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CA

Biogeochemistry of pumpkin. V. V. Arasimovich. *Biochem. Khim. Rastenii* 4, 323-40 (1968); *Herbage Abstracts* 10, No. 4, 323 (1968).—The greatest part of the carbohydrates is represented by starch. The sugar content is not very high and is represented in the fleshy part by glucose, fructose and sucrose, in seeds by sucrose and glucose, and in the skin by monosaccharides.

S. Soloveichik

ASR-11A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
CG Biochemical index characters of vegetables as raw material for the canning industry. <i>Academic Press, New York, 1977-81</i> (in English, 4 vol. ser. U. R. S. S., <i>Ser. Biol.</i> 1979, 1977-81) (in English, 1971). — A review. The variability of chem. contents of vegetables as influenced by the degree of ripeness and by environmental and genetic factors during growth are pointed out. 18 references. T. Laanen																			
ASD-54 METALLURGICAL LITERATURE CLASSIFICATION																			

1ST AND 2ND ORDERS		PROCESS AND PROPERTIES INDEX		3RD AND 4TH ORDERS	
BC				A-4	
Reference in literature of invertase from Cucurbita. V. V. Arasimovitch (<i>Biokhimiya</i>, 1950, 4, 251-259; cf. A., 1950, III, 571).—The invertase from the ripe fruits of some melons exhibits both hydrolytic and synthetic activities, whilst only the hydrolytic activity is observed in other species. In summer melons, the synthetic action of the invertase is very pronounced; whilst in winter melons only the hydrolytic action is observed. J. N. A.					
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION					
1ST AND 2ND ORDERS		3RD AND 4TH ORDERS		5TH AND 6TH ORDERS	
1ST AND 2ND ORDERS		3RD AND 4TH ORDERS		5TH AND 6TH ORDERS	

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CA

Determination of essential oil in onions. V. V. Arasimovich and L. S. Ivanova. *Doklady Vsesoyuz. Akad. Nauk SSSR*. Nauk. im. Lenina 1939, No. 5-6, 17-22; *Khim. Referat. Zhur.* 1940, No. 3, 66.—The method of Platenius (C. A. 30, 3111*) for detg. essential oil in onions (acid hydrolysis, steam-distn., oxidation of the S in the distillate by Br and detn. as BaSO₄) requires a 600-g. sample and 10 hrs. of continuous work. It was detd. exptly. that the wt. of the sample can be reduced to 250 g. and that after the completion of the acid hydrolysis and neutralization of the mist, the detn. can be interrupted until the following day. Various kinds of onions and onions of the same kind grown in various regions contain different amts. of essential oil. W. R. Henn

ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
Ca 11 A Trend of invertase activity in fruit of cucurbits. V. V. Arasimovich. <i>Compt. rend. acad. sci. U. R. S. S.</i> 22, 427-311(1930)(in English).—Sols. of sucrose and monosaccharides were introduced into slices of watermelon by the method of vacuum infiltration. After 3 hrs. the tissue was analyzed. The edible species, <i>Citrullus edulis</i> and <i>C. fistulosus</i>, contained sucrose and showed both synthesis and hydrolysis of sucrose with the introduced sugars. <i>Cucumis colocynthoides</i> and <i>C. colocynthis</i>, fodder varieties, showed no sucrose, and all the introduced sucrose was hydrolyzed. No synthesis of sucrose occurred. In muskmelon the same relation obtained. <i>C. chinensis</i>, contg. no sucrose, showed only hydrolytic activity of its invertase, while in <i>C. eu-melo</i> the invertase was highly synthetic. I. J. Willaman Biochem. Lab., All-Union Inst. Plant Ind.																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
MATERIALS INDEX										SIGN. SYMBOLS									
OPEN										CLOSED									
COMMON ELEMENTS										SPECIAL ELEMENTS									
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ASAC-SEA METALLURGICAL LITERATURE CLASSIFICATION

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whereas classification with the aid of biochem. factors is
more useful. Study of various specimens of Cucurbitaceae,
made along these lines, showed that the presence or ab-
sence of the concn. of sol. sugars and polysaccharides per-
mits ready classification of any specimen as to the categories
of cultured or wild or intermediate forms. The quant.
interrelations of the carbohydrates and the enzyme systems
assocd. with them is a certain index of a species; it is very
well shown within *Citrullus* species. The presence or ab-
sence of urase in the seeds permits differentiation of *Citrullus*
species and the previous form *C. Astalosus* has been sepal.
as an independent species, whose seeds are devoid of urase.
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 CATEGORY CULTIVATED PLANTS. Potatoes. Vegetables. Cucurbits.
 ABS. JOUR. REF ZHUR - BIOLOGIYA, NO. 4, 1959, No. 15680
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 TITLE Evolutionary Biochemical Mutability of Cucurbitaceae. Report I. Comparative Biochemical Characteristics of Cultivated and Wild Forms of Melon.
 ORIG. PUB. : Izv. Mold. fil. AN SSSR, 1957, No.6 (39), 3-31
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CARD: 1/2

CARD: 2/2

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(~~Fruit~~—Chemical composition)

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(SODIUM metab.)